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### 1 [Topic-sensitive PageRank](#)

[Taher H. Haveliwala](#)

May **WWW '02**: Proceedings of the 11th international conference on World Wide Web 2002

**Publisher:** ACM

Full text available: Pdf (236.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 199, Citation Count: 138

In the original PageRank algorithm for improving the ranking of search-query results, a single PageRank vector is computed, using the link structure of the Web, to capture the relative "importance" of Web pages, independent of any particular search query. ...

**Keywords:** PageRank, link structure, personalized search, search, search in context, web graph

### 2 [Node ranking in labeled directed graphs](#)

[Krishna P. Chitrapura](#), [Srinivas R. Kashyap](#)

November **CIKM '04**: Proceedings of the thirteenth ACM international conference on Information and knowledge management

**Publisher:** ACM

Full text available: Pdf (447.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 61, Citation Count: 0

Our work is motivated by the problem of ranking hyper-linked documents for a given query. Given an arbitrary directed graph with edge and node labels, we present a new flow-based model and an efficient method to dynamically rank the nodes of this graph ...

**Keywords:** citation graph, context-sensitive ranking, flow-based, intranet search, link structure, model, pagerank, random surfer model, search, search in context, web graph

### 3 [Optimizing search by showing results in context](#)



[Susan Dumais](#), [Edward Cutrell](#), [Hao Chen](#)

March 2001 **CHI '01: Proceedings of the SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM

Full text available: Pdf (804.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 120, Citation Count: 49

We developed and evaluated seven interfaces for integrating semantic category information with Web search results. List interfaces were based on the familiar ranked-listing of search results, sometimes augmented with a category name for each result. ...

**Keywords:** World Wide Web, focus-in-context, search, text categorization, usability, user interface, user study

### 4 [Semantic pointing: improving target acquisition with control-display ratio adaptation](#)



[Renaud Blanch](#), [Yves Guiard](#), [Michel Beaudouin-Lafon](#)

April 2004 **CHI '04: Proceedings of the SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM

Full text available: Pdf (543.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 32, Downloads (12 Months): 243, Citation Count: 48

We introduce semantic pointing, a novel interaction technique that improves target acquisition in graphical user interfaces (GUIs). Semantic pointing uses two independent sizes for each potential target presented to the user: one size in motor space ...

**Keywords:** Fitts' law, control-display ratio, graphical user interface, pointing, semantic pointing

### 5 [Finding the flow in web site search](#)



[Marti Hearst](#), [Ame Elliott](#), [Jennifer English](#), [Rashmi Sinha](#), [Kirsten Swearingen](#), [Ka-Ping Yee](#)

September 2002 **Communications of the ACM**, Volume 45 Issue 9

**Publisher:** ACM

Full text available: Html (49.99 KB), Pdf (516.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 42, Downloads (12 Months): 315, Citation Count: 33

Designing a search system and interface may best be served (and executed) by scrutinizing usability studies.

6 [More than dotting the i's --- foundations for crossing-based interfaces](#)



[Johnny Accot](#), [Shumin Zhai](#)

April **CHI '02: Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves**

**Publisher:** ACM

Full text available: Pdf (385.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 160, Citation Count: 56

Today's graphical interactive systems largely depend upon pointing actions, i.e. entering an object and selecting it. In this paper we explore whether an alternate paradigm --- crossing boundaries --- may substitute or complement pointing as another ...

**Keywords:** Fitts' law, events, goal crossing, goal passing, graphical user interfaces, input, input performance, interaction techniques, pointing, widgets

7 [Categorizing web queries according to geographical locality](#)



[Luis Gravano](#), [Vasileios Hatzivassiloglou](#), [Richard Lichtenstein](#)

November **CIKM '03: Proceedings of the twelfth international conference on Information and knowledge management**

**Publisher:** ACM

Full text available: Pdf (545.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 87, Citation Count: 23

Web pages (and resources, in general) can be characterized according to their *geographical locality*. For example, a web page with general information about wildflowers could be considered a *global* page, likely to be of interest to a geographically ...

**Keywords:** information retrieval, query classification, query modification, search engines, web search

8 [Scalable feature selection, classification and signature generation for organizing large text databases into hierarchical topic taxonomies](#)

[Soumen Chakrabarti](#), [Byron Dom](#), [Rakesh Agrawal](#), [Prabhakar Raghavan](#)

August **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 7 Issue 3

**Publisher:** Springer-Verlag New York, Inc.

Full text available: Pdf (281.37 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 96, Citation Count: 34

We explore how to organize large text databases hierarchically by topic to aid better searching, browsing and filtering. Many corpora, such as internet directories, digital libraries, and patent databases are manually organized into topic hierarchies, ...

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